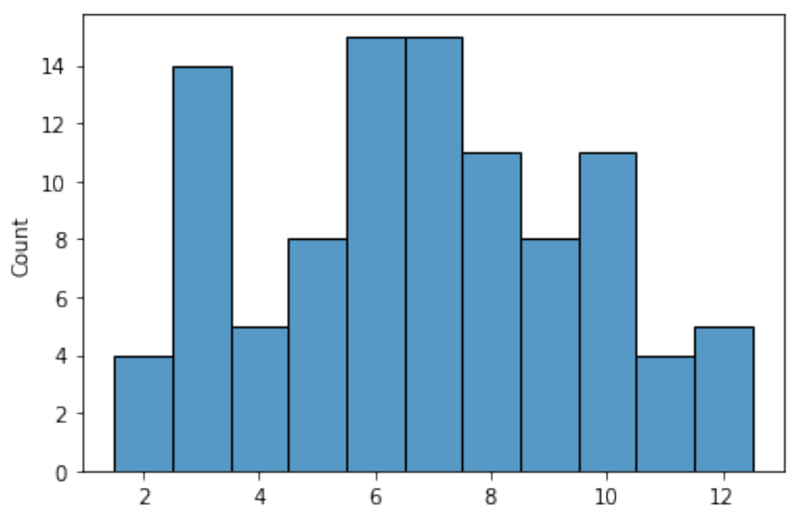
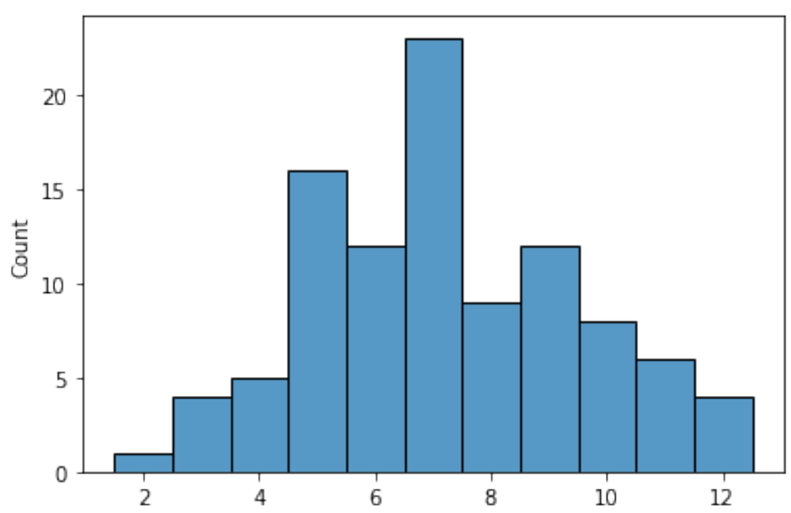
In [1]:
```
import numpy as np
import pandas as pd
import seaborn as sns
import math
import random
import matplotlib.pyplot as plt
```

In [2]:
```
d_1=np.zeros(100)
randints_1=np.zeros([100,2])
for i in np.arange(100):
    r_1=random.uniform(0,1)
    r_2=random.uniform(0,1)
    d_1[i]=min([math.floor(6*r_1+1),6])+min([math.floor(6*r_2+1),6])
    randints_1[i]=[r_1,r_2]
sns.histplot(data=d_1,discrete=True)
plt.savefig("die_unweighted")
```



In [3]:
```
d_2=np.zeros(100)
randints_2=np.zeros([100,2])
for i in np.arange(100):
    r_1=random.uniform(0,1)
    r_2=random.uniform(0,1)
    randints_2[i]=[r_1,r_2]
    d_2[i]=min([math.floor(63/10*r_1+1),6])+min([math.floor(63/10*r_2+1),6])
sns.histplot(data=d_2,discrete=True)
plt.savefig("die_weighted")
```



In [ ]: